



Cloud Computing for AI

OFFICIAL ACADEMIC PROSPECTUS & CURRICULUM GUIDE

NQF Level: Industry Certification | **Credits:** N/A

Delivery: Online

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PROGRAMME OVERVIEW

PROGRAMME DURATION	7 Weeks
ACADEMIC LEVEL	Industry Certification
TOTAL CREDITS	N/A
SAQA REGISTRATION	Pending
MODE OF DELIVERY	Online
TOTAL INVESTMENT	R 7,500 (Registration Deposit: R 799)

Executive Introduction

Highly advanced Artificial Intelligence requires incredibly immense, absolutely massive computational power, and the highly scalable global cloud is the absolute only environment completely capable of effortlessly delivering it at a truly global scale. This incredibly elite programme deeply explores the highly critical, massively important convergence of complex Cloud Infrastructure and incredibly advanced Machine Learning, flawlessly providing a highly technical, rigorous roadmap specifically for flawlessly hosting and rapidly scaling highly intelligent corporate applications. We aggressively move far beyond incredibly simple server hosting to deeply look at the highly complex architectural patterns that flawlessly allow massive AI models to easily serve millions of global users with absolutely incredibly low, virtually zero latency.

Highly ambitious participants will effortlessly gain incredibly hands-on, highly practical experience directly with the world's absolute leading cloud providers, deeply learning exactly how to flawlessly configure incredibly high-performance massive GPUs, expertly manage incredibly massive data lakes, and perfectly deploy highly advanced serverless AI cloud functions. The incredibly rigorous curriculum heavily emphasizes 'Absolute Cost-Efficiency and Infinite Scalability,' strictly teaching you exactly how to perfectly balance extreme high performance with a strict corporate budget to absolutely ensure that highly complex AI initiatives constantly remain highly sustainable. You will deeply explore the incredibly extreme intricacies of

complex containerization and massive orchestration, completely ensuring your highly complex AI models are totally portable and absolutely, unshakeably resilient.

As the massive global tech industry rapidly moves heavily toward the incredibly lucrative 'AI-as-a-Service' model, this highly elite, intense course completely equips you with the highly specialized, incredibly rare technical skills strictly required to flawlessly manage the massive infrastructure that entirely powers the very future. Graduates confidently emerge as highly respected 'AI Cloud Specialists,' completely ready to instantly join absolutely elite DevOps and incredibly advanced MLOps teams that are perfectly positioned at the absolute forefront of massive global technological innovation. This is the absolute definitive, completely unshakeable elite track specifically for those ambitious engineers who deeply want to flawlessly build the incredibly massive platforms that seamlessly host the world's absolute most highly intelligent software.

PURPOSE OF THE LEARNING PROGRAMME

To perfectly produce the absolute elite 'Cloud Architects' specifically for the highly lucrative, massively growing global AI economy. The primary, unshakeable objective is to completely equip ambitious engineers with the highly specific, incredibly deep technical skills strictly required to flawlessly build the incredibly highly available and infinitely scalable massive environments that highly modern AI corporate workloads heavily demand.

To completely master the incredibly complex, highly nuanced art of 'Total Infrastructural Optimization' specifically for incredibly advanced machine learning. We heavily aim to perfectly teach ambitious students exactly how to flawlessly select and expertly configure the absolute right massive cloud services to heavily maximize complex model performance while aggressively minimizing massive corporate operational costs.

To perfectly bridge the massive, incredibly dangerous technical gap cleanly between complex local AI development and absolutely flawless production-ready global deployment. The strict purpose of this elite track is to absolutely ensure that highly complex AI models don't just simply 'work on a developer's laptop' but are totally capable of effortlessly serving massive global user bases with absolute zero downtime and incredibly high, military-grade security.

To deeply instill an absolute, unwavering 'Security-First' mindset specifically in incredibly complex massive cloud management. We deeply recognize that highly advanced AI data is often incredibly sensitive and highly proprietary; our absolute purpose is to thoroughly train elite professionals who can flawlessly implement incredibly robust military-grade encryption and highly strict access controls to totally protect corporate intellectual property and absolute user privacy.

To heavily support the massive global corporate demand for highly complex hybrid-cloud and incredibly advanced multi-cloud AI technical expertise. Our unshakeable objective is to flawlessly provide ambitious learners with the incredibly versatile, highly adaptable skills strictly required to perfectly manage massive AI workloads across AWS, Azure, and Google Cloud, absolutely ensuring they are completely never, ever locked into a single cloud vendor's restrictive proprietary ecosystem.

MODULE BREAKDOWN

Module 01: Cloud Fundamentals

IaaS, PaaS, SaaS models.

Module 02: AWS AI Services

Rekognition, Polly, and Transcribe.

Module 03: Google Cloud AI

Vision API and Natural Language API.

Module 04: Azure Cognitive Services

Computer Vision and Language Service.

Module 05: Deploying Models

Containerization with Docker.

Module 06: Serverless AI

Using Lambda and Cloud Functions.

Module 07: Capstone Integration

Multi-cloud AI solution.

Module 00: Module 0: Introduction & Orientation

PRACTICAL LAB ENVIRONMENTS

This programme includes intensive hands-on practical labs designed to bridge the gap between theoretical knowledge and real-world industrial application.

Lab 1: Cloud Account Setup & IAM

Configure cloud account, users, and permissions. Deliverable: IAM policy document + setup checklist.

Lab 2: Cloud Storage for AI Data

Upload, manage, and secure datasets in cloud storage. Deliverable: Bucket configuration + access logs.

Lab 3: Serverless AI Function Deployment

Deploy a simple AI inference function (e.g., Lambda/Cloud Functions). Deliverable: Deployed endpoint + test results.

Lab 4: AI Pipeline Orchestration

Chain cloud services into an end-to-end AI workflow. Deliverable: Architecture diagram + workflow script.

CAREER FIELDS & OPPORTUNITIES

Graduates of this learning programme are aggressively equipped with the specialized competencies required to pursue the following elite professional roles within the global industry:

CLOUD ENGINEER	Advance your career as a Cloud Engineer in the industry.
AI CLOUD SPECIALIST	Advance your career as a AI Cloud Specialist in the industry.
DEVOPS ENGINEER (CLOUD-FOCUSED)	Advance your career as a DevOps Engineer (cloud-focused) in the industry.
CLOUD SOLUTIONS ARCHITECT	Advance your career as a Cloud Solutions Architect in the industry.
MACHINE LEARNING OPERATIONS ENGINEER	Advance your career as a Machine Learning Operations Engineer in the industry.
CLOUD INFRASTRUCTURE ANALYST	Advance your career as a Cloud Infrastructure Analyst in the industry.
AI PLATFORM ADMINISTRATOR	Advance your career as a AI Platform Administrator in the industry.

NEXT STEPS & APPLICATION

Ready to definitively advance your professional trajectory? Formal applications are currently open for the upcoming academic cycle. To securely guarantee your placement in the next intake for **Cloud Computing for AI**, please complete our online application process or contact our admissions advisory team directly.

CONTACT ADMISSIONS

Official Email: apply@softkingsacademy.co.za

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DIGITAL STUDENT PORTALS

Studentzone: portal.skacademy.co.za

Exam Centre: exams.skacademy.co.za

Verify Certificate: skacademy.co.za/verify-certificate

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SOFTKINGS ACADEMY IS FORMALLY COMMITTED TO PROVIDING INDUSTRY-LEADING, ACCREDITED SKILLS DEVELOPMENT.

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